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## Fax

**To:** United States Patent and Trademark Office **From:** George B. Almeida (Reg. No. 20,6116)

**Fax:** 1-571-273-8300

**Pages:** 14 (including fax coversheet – 1 pg.,  
Request For Correction Of Filing Receipt – 1  
pg., Copy of Filing Receipt with Corrections  
noted – 2 pgs.) Copy of Preliminary  
Amendment – 10 pgs.,

**Phone:**

**Date:** April 4, 2007

**Re:** Application No. 10/504,812  
Docket No. 0227CIP

**CC:**

### CERTIFICATE OF FACSIMILE TRANSMISSION

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Mark Dominic Jackson, et al.

Serial No.: 10/504,812

Filed: August 13, 2004

For: METHOD AND APPARATUS FOR COPY PROTECTION  
FOR APPLICATIONS

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

)  
)  
) Examiner: Unassigned

)  
) Art Unit: 2655  
)  
)

REQUEST FOR CORRECTION OF FILING RECEIPT

Dear Sir:

Enclosed please find a copy of the Filing Receipt mailed January 7, 2005, which requires the following corrections:

The Title appears incorrectly as: COPY PROTECTION FOR APPLICATIONS

The Title should correctly be: METHOD AND APPARATUS FOR COPY PROTECTION  
FOR APPLICATIONS

Please remove the address information from the Assignment For Published Patent Application

Please add the following Domestic Priority data as claimed by applicant:

This application is a CIP of 09/916,146 07/26/2001

In support of these corrections, please find a copy of the Preliminary Amendment which was filed on November 12, 2004. Please provide us with a Corrected Filing Receipt reflecting these corrections.

If any fees are required, please charge the required fees to Deposit Account No. 13-0762

Respectfully submitted,

MACROVISION CORPORATION

Dated: 4/4, 2007

George B. Almeida  
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CERTIFICATE OF FACSIMILE TRANSMISSION

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Claire Walters on April 4, 2007  
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/504,812	08/13/2004	2655	1580	227	4	42	6

CONFIRMAT ON NO. 2113

31665  
PATENT DEPARTMENT  
MACROVISION CORPORATION  
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Received

JAN 14 2005

Macrovision

FILING RECEIPT



\*0C000000014898838\*

Date Mailed: 01/07/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

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Assignment For Published Patent Application

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Domestic Priority data as claimed by applicant

This application is a 371 of PCT/GB04/00647 02/19/2004

This application is a CIP of 09/916,146 07/26/2001

Foreign Applications

UNITED KINGDOM 0304015.1 02/21/2003

Projected Publication Date: 04/14/2005

Non-Publication Request: No

Early Publication Request: No

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APR 04 2007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: MARK JACKSON, et al.  
Appl. No.: 10/504,812  
Filed: August 13, 2004  
Title: COPY PROTECTION FOR APPLICATIONS

Grp./A.U.: To be assigned  
Examiner: To be assigned

Docket No.: 227

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

PRELIMINARY AMENDMENT

Dear Sirs:

Please enter the following preliminary amendment in the above-identified application.

Amendment to the Title is found on page 2 of this paper.

Amendment to the Specification is found on page 3 of this paper.

Amendment to the Claims begin on page 4 of this paper.

Remarks begin on page 10 of this paper.

COPY

Amendment to the Title:

Please change the title to read, "METHOD AND APPARATUS FOR COPY  
PROTECTION FOR APPLICATIONS."

**Amendment to the Specification:**

Please insert the following subtitle and paragraph in page 1 of the specification, between lines 1 and 3 (that is, between the title and the first paragraph)

**--CROSS REFERENCE TO RELATED APPLICATIONS**

This application is a continuation-in-part of United States pending application Serial No. 09/916,146, which claims the priority date of 28<sup>th</sup> July 2000 and is entitled COPY PROTECTION FOR OPTICAL DISCS.--

Amendment to the Claims:

Please cancel the claims 1-46 presently on file without prejudice and replace them with the following claims 47-88.

Claim 47 (New). An application file to be carried on an optical disc, comprising: information and control data for an application incorporated in the application file; and wherein, to provide copy protection for the application, DSV data patterns are incorporated in the application file, the DSV data patterns being located in the application file in a manner to ensure that they will be accessed by a player or a reader of an optical disc carrying the application file.

Claim 48 (New). An application file according to claim 47, wherein the DSV data patterns are located in the information incorporated in the application file.

Claim 49 (New). An application file according to claim 48, wherein the DSV data patterns are incorporated in locations of the application file which are normally accessed upon use of the application file.

Claim 50 (New). An application file according to claim 47, wherein the DSV data patterns are located in control data incorporated in the application file or in control data incorporated in a header of the application file.

Claim 51 (New). An application file according to claim 50 wherein the DSV data patterns are incorporated in locations of the application file which are normally accessed upon use of the application file.

Claim 52 (New). An application file according to claim 47, wherein control data in the application file or control data in a header of the application file includes at least one pointer or offset pointing to the location of DSV data patterns in the application file.

Claim 53 (New). An application file according to claim 47, wherein the DSV data patterns are chosen to cause DSV problems for optical disc writers.

Claim 54 (New). An application file according to claim 47, wherein the DSV data patterns are chosen to ensure that the DSV has a significant absolute value.

Claim 55 (New). An application file according to claim 47, wherein the DSV data patterns are repeated patterns of values.

Claim 56 (New). An application file according to claim 47, wherein the size of the DSV data patterns is a predetermined amount.

Claim 57 (New). An application file according to claim 47, wherein the DSV data patterns are arranged to produce a DSV which has a rapid rate of change.

Claim 58 (New). An application file according to claim 47, wherein the DSV data patterns are arranged to produce a DSV which has a substantial low frequency component.

Claim 59 (New). An application file according to claim 47, wherein areas of data containing only zeros are incorporated in the application file in one or more areas located before and after areas containing the DSV data patterns.

Claim 60 (New). An application file according to claim 47, wherein the information in the application file comprises one or more of: audio data, numerical data, text data, video data, graphics data, program data, animation data and any other data.

Claim 61 (New). An application file according to claim 47, wherein the control data in the application file comprises one or more of: descriptors of the information and data enabling access to the information.



Claim 62 (New). An application file according to claim 61, wherein the access enabling control data comprises navigation and/or timing data.

Claim 63 (New). An application file to be carried on an optical disc, comprising: information and control data for an application incorporated in the application file; and wherein, to provide copy protection for the application, DSV data patterns are incorporated in the application file, DSV data patterns being located in the information incorporated in the application file, and DSV data patterns also being located in the control data in the application file, wherein the control data is incorporated in the application file or is incorporated in a header to the application file.

Claim 64 (New). A method of copy protecting an application, where the application is provided by an application file to be carried on an optical disc and incorporates information and control data, the method comprising:

incorporating into the application file, before its application onto an optical disc, DSV data patterns.

Claim 65 (New). A method of copy protecting an application according to claim 64, further comprising locating the DSV data patterns in the application file in a manner to ensure that they will be accessed by a player or reader of an optical disc carrying the application file.

Claim 66 (New). A method of copy protecting an application according to claim 65, further comprising locating the DSV data patterns in the information incorporated in the application file.

Claim 67 (New). A method of copy protecting an application according to claim 65, wherein the application file has control data which is incorporated in the application file or in a header to the application file, and further comprising locating the DSV data patterns in the control data.

Claim 68 (New). A method of copy protecting an application according to claim 65, wherein the DSV data patterns are incorporated in locations of the application file which are normally accessed upon use of the application file.

Claim 69 (New). A method of copy protecting an application according to claim 65, wherein the application file has control data incorporated in the application file or in a header to the application file, and further comprising including at least one pointer or offset in the control data which points to the location of the DSV data patterns in the application file.

Claim 70 (New). A method of copy protecting an application according to claim 65, wherein said DSV data patterns have been chosen to cause DSV problems for optical disc writers.

Claim 71 (New). A method of copy protecting an application according to claim 65, wherein the DSV data patterns are chosen to ensure that the DSV has a significant absolute value.

Claim 72 (New). A method of copy protecting an application according to claim 65, wherein the DSV data patterns are repeated patterns of values.

Claim 73 (New). A method of copy protecting an application according to claim 65, wherein the size of the DSV data patterns is a predetermined amount.

Claim 74 (New). A method of copy protecting an application according to claim 65, wherein the DSV data patterns are arranged to produce a DSV which has a rapid rate of change.

Claim 75 (New). A method of copy protecting an application according to claim 65, wherein the DSV data patterns are arranged to produce a DSV which has a substantial low frequency component.

Claim 76 (New). A method of copy protecting an application according to claim 66, further comprising incorporating into the application file areas containing only zeros, the areas containing only zeros being incorporated in one or more areas located before and after areas containing the DSV data patterns.

Claim 77 (New). A method of copy protecting an application, where the application is provided by an application file to be carried on an optical disc and incorporates information and control data, the method comprising:

incorporating into the application file, before its application onto an optical disc, DSV data patterns;

wherein DSV data patterns are located in the information incorporated in the application file; and

wherein DSV data patterns are also located in control data of the application file, the control data being incorporated in the application file or in a header to the application file.

Claim 78 (New). A copy protected optical disc carrying an application, wherein the application is defined by an application file incorporating information and control data, wherein the application file has been applied to the optical disc, and wherein, to provide copy protection for the application, DSV data patterns have been incorporated in the application file before its application onto the optical disc.

Claim 79 (New). A copy protected optical disc carrying an application according to claim 78, wherein the application file has been applied to the optical disc by a mastering process utilizing an encoder with "look ahead" capabilities.

Claim 80 (New). A copy protected optical disc carrying an application according to claim 78, wherein the application file has been applied to the optical disc by a mastering process utilizing an encoder controlling a laser beam recorder.

Claim 81 (New). A storage device for use in a process of mastering optical discs, comprising:

an application file to be carried on the optical discs and carried in the storage device;  
information and control data for an application incorporated in the application files; and  
wherein DSV data patterns are incorporated in the application file before its application  
onto the optical disc.

Claim 82 (New). A storage device for use in a process of mastering optical discs  
according to claim 81, wherein the DSV data patterns are located in the application file in a  
manner to ensure that they will be accessed by a player or a reader of an optical disc carrying the  
application file.

Claim 83 (New). A storage device for use in a process for mastering optical discs  
according to claim 81, wherein the DSV data patterns are chosen to cause DSV problems for  
optical disc writers.

Claim 84 (New). A storage device according to claim 81, wherein the DSV data patterns  
are chosen to ensure that the DSV has a significant absolute value.

Claim 85 (New). A storage device according to claim 81, wherein the DSV data patterns  
are repeated patterns of values.

Claim 86 (New). A storage device according to claim 81, wherein the size of the DSV  
data patterns is a predetermined amount.

Claim 87 (New). A storage device according to claim 81, wherein the DSV data patterns  
are arranged to produce a DSV which has a rapid rate of change.

Claim 88 (New). A storage device according to claim 81, wherein the DSV data patterns  
are arranged to produce a DSV which has a substantial low frequency component.

REMARKS

By this preliminary amendment, claims 1-46 have been cancelled without prejudice and have been replaced with new claims 47-88 presented herewith, and amendments have been made to the title and specification.

Entry of this Preliminary Amendment is respectfully requested.

Applicant includes herewith an authorization for payment of additional fees for the additional dependent claim added by this Preliminary Amendment.

If the Examiner finds a situation(s) which could be resolved by telephone interview, applicant can be reached by phone at (408) 562-8496, or by facsimile at (408) 743-9659.

Respectfully submitted,

Date:

11/16/04

By: 

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